

G:\PDX\_Projects\16\1860 - Grants Pass In-water Permitting\CAD\Sheets\16-1860-OR-G.dwg | 4/20/2017 10:24 AM DKH 20.0s (LMS Tech)



# CITY OF GRANTS PASS CONCRETE FOOTING REMOVAL PROJECT NO. WA 5096

APRIL 2017

INDEX OF DRAWINGS

SHEET	TITLE
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2	GENERAL NOTES AND ABBREVIATIONS
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5	DEMOLITION AND RESTORATION PLAN



Know what's below.  
Call before you dig.

ATTENTION: OREGON LAW REQUIRES THE CONTRACTOR TO FOLLOW THE RULES ADOPTED BY THE OREGON UTILITY NOTIFICATION CENTER. THOSE RULES ARE SET FORTH IN OAR 952-001-0010 THROUGH OAR 952-001-0090. THE CONTRACTOR MAY OBTAIN COPIES OF THE RULES BY CALLING THE UTILITY NOTIFICATION CENTER. (NOTE: THE TELEPHONE NUMBER FOR THE OREGON UTILITY NOTIFICATION CENTER IS 503-232-1987.) THE ONE-CALL NUMBER IS 1-800-332-2344.

MSA

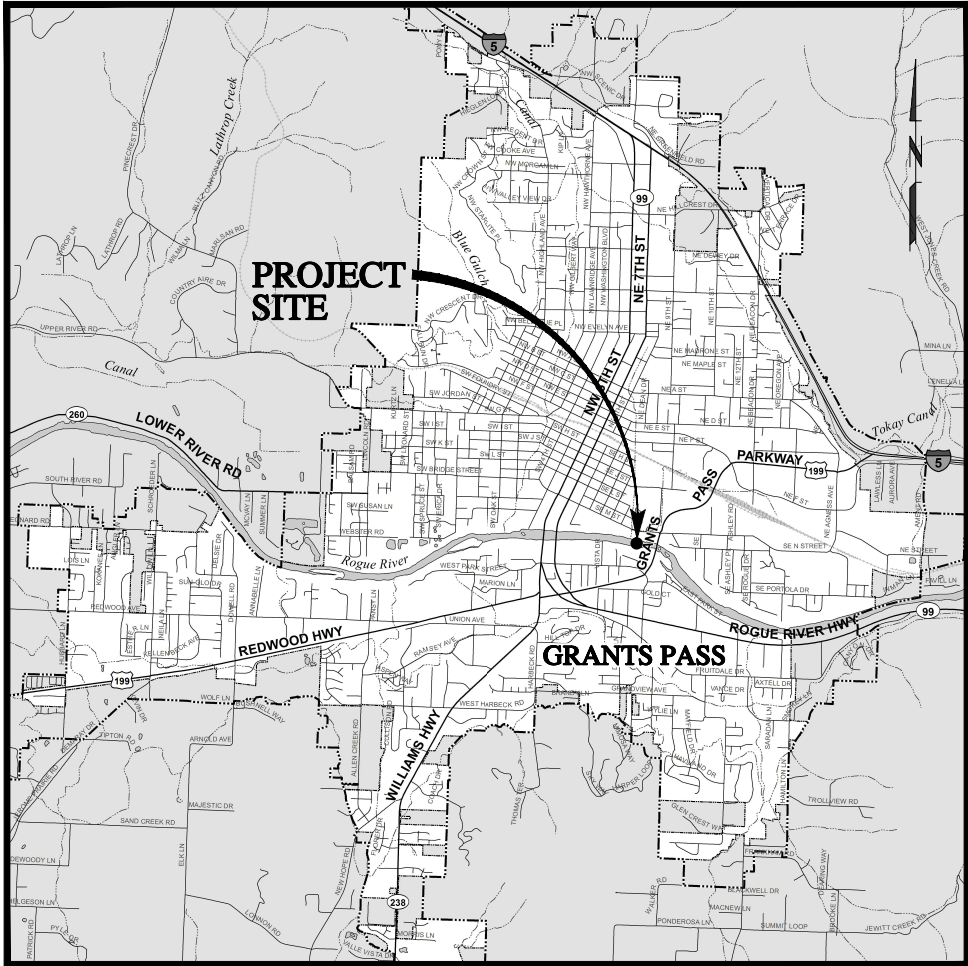
Murray Smith & Associates, Inc.  
Engineers/Planners

888 S.W. 5th Ave, Suite 1170

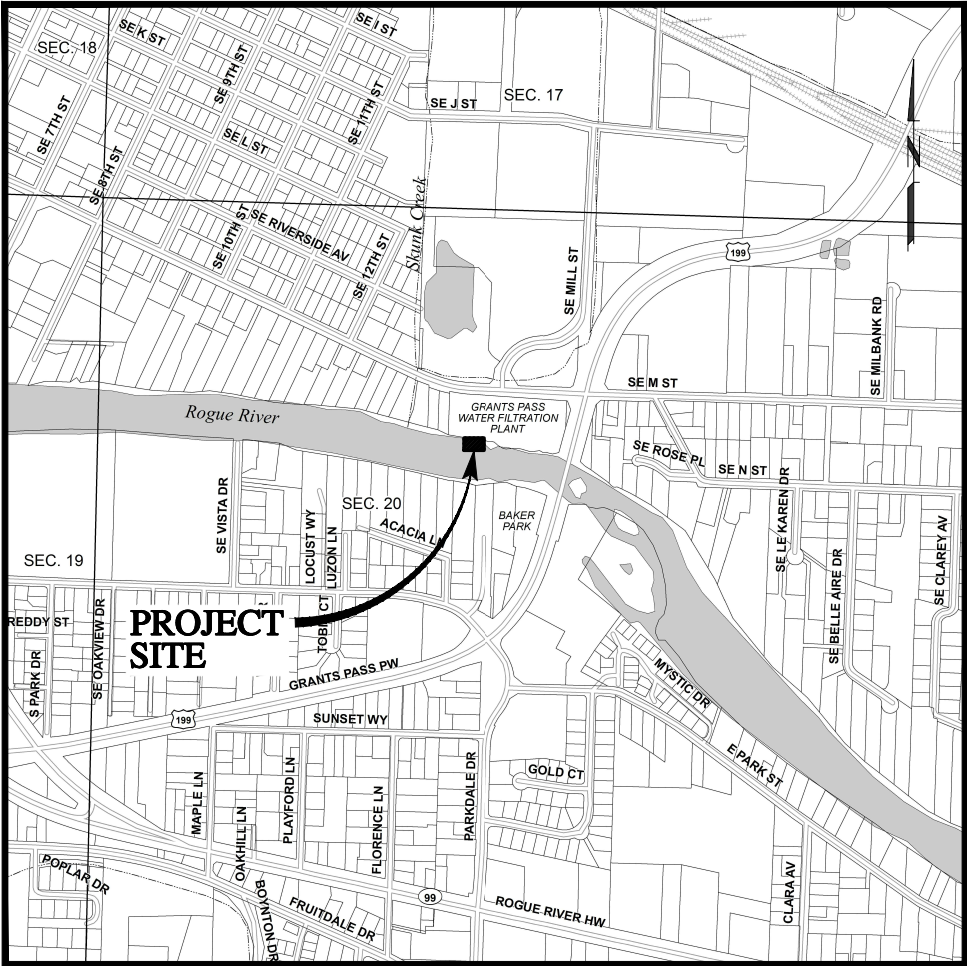
PHONE 503-225-9010

Portland, Oregon 97204

FAX 866-274-9807



VICINITY MAP  
SCALE: 1"=3,000'



LOCATION MAP  
SCALE: 1"=500'

WATER FILTRATION PLANT  
SITE ADDRESS:  
821 SE 'M' STREET  
GRANTS PASS, OR 97526

1. THE LOCATIONS OF ALL EXISTING UNDERGROUND FACILITIES SHOWN ON THE PLANS ARE BASED ON A FIELD SURVEY AND INFORMATION SUPPLIED BY UTILITY COMPANIES. LOCATIONS ARE NOT GUARANTEED TO BE COMPLETE OR ACCURATE. THE CONTRACTOR SHALL VERIFY LOCATIONS, ELEVATIONS, TYPE AND SIZES OF ALL EXISTING UTILITIES PRIOR TO CONSTRUCTING NEW PIPING/CONDUITS AND SHALL ADJUST NEW PIPING/CONDUITS AS REQUIRED. CONTRACTOR SHALL NOTIFY ENGINEER IMMEDIATELY OF ANY CONFLICTS NOT SHOWN ON THE PLANS AND SHALL KEEP EXISTING UTILITIES IN SERVICE AND PROTECT THEM DURING CONSTRUCTION. WHERE INTERRUPTION OF EXISTING FACILITIES IS REQUIRED, CONTRACTOR SHALL PROVIDE 72 HOUR NOTICE TO ENGINEER AND THE AFFECTED UTILITY. CONTRACTOR SHALL ARRANGE FOR THE RELOCATION OF ANY IN CONFLICT WITH THE PROPOSED CONSTRUCTION.

3. CONTRACTOR SHALL INSTALL AND MAINTAIN EROSION AND SEDIMENTATION CONTROL DURING CONSTRUCTION (ANY TIME OF YEAR) PER THE REQUIREMENTS OF THE CITY OF GRANTS PASS, JOSEPHINE COUNTY AND THE OREGON DEPARTMENT OF ENVIRONMENTAL QUALITY.

5. CONTRACTOR SHALL NOTIFY THE ENGINEER AND OWNER 48 HOURS BEFORE STARTING CONSTRUCTION, AND 24 HOURS BEFORE RESUMING WORK AFTER SHUTDOWNS EXCEPT FOR NORMAL RESUMPTION OF WORK FOLLOWING SATURDAYS, SUNDAYS, OR HOLIDAYS. CONTRACTOR SHALL NOTIFY THE OWNER'S REPRESENTATIVE A MINIMUM OF 48 HOURS PRIOR TO ANY TESTING OR REQUIRED INSPECTION.

7. CONTRACTOR SHALL PROTECT ALL PROPERTY CORNERS, SURVEY MONUMENTS AND CONTROL POINTS. SURVEY MONUMENTS OF THIS TYPE DISTURBED DURING CONSTRUCTION SHALL BE REPLACED AT CONTRACTOR'S EXPENSE, WITH APPROPRIATE SURVEYS FILED WITH THE COUNTY SURVEYOR.

9. ALL STRUCTURES, LOTS, SWALES, DITCHES, CURBS, SPEED BUMPS, FENCES, WALLS, MAILBOXES, SIGNS, POLES, GUY WIRES, PIPING, AND UTILITIES DISTURBED DURING CONSTRUCTION TO BE RESTORED TO EXISTING CONDITION UNLESS OTHERWISE SPECIFIED. SUCH REPAIR SHALL BE CONSIDERED INCIDENTAL.

11. CONSTRUCTION SHALL BE CONFINED TO THE CITY-OWNED PROPERTIES, RIGHT-OF-WAY AND EASEMENTS AS SHOWN ON THE PLANS. WORK SHALL NOT ENCRoACH BEYOND THE EASEMENTS WITHOUT APPROVAL.

13. FIRE PREVENTION PRACTICES APPLY TO THIS PROJECT, REFER TO TECHNICAL SPECIFICATIONS SECTION 01100, SPECIAL PROVISIONS.

1. TURBIDITY CURTAIN SHALL BE TYPE I DOT PERMEABLE STYLE BARRIER.
2. CURTAINS SHALL BE PLACED ACCORDING TO MANUFACTURER SPECIFICATIONS, ENSURING THAT PROPER ANCHORING TECHNIQUES ARE USED TO ENSURE CURTAIN REMAINS VERTICAL IN WATER COLUMN.
3. TURBIDITY CURTAIN SHALL BE INSPECTED BY CONTRACTOR IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING ANY PROLONGED RAINFALL. ANY REQUIRED REPAIRS SHALL BE MADE IMMEDIATELY.
4. TURBIDITY CURTAINS SHALL BE REMOVED AS DIRECTED WHEN THEY HAVE SERVED THEIR USEFUL PURPOSE, BUT NOT BEFORE PERMANENT EROSION CONTROL MATTING HAS BEEN INSTALLED ON THE UPSLOPE AREA.

1. TURBIDITY: THE CONTRACTOR SHALL IMPLEMENT BEST MANAGEMENT PRACTICES (BMPs) TO MINIMIZE TURBIDITY DURING IN-WATER WORK. ANY ACTIVITY THAT CAUSES TURBIDITY TO EXCEED 10% ABOVE NATURAL STREAM TURBIDITIES IS PROHIBITED EXCEPT AS SPECIFICALLY PROVIDED BELOW. THE CONTRACTOR SHALL PROCURE AN APPROVED THIRD PARTY FIRM TO CONDUCT TURBIDITY MONITORING.

1. REPRESENTATIVE BACKGROUND POINT: TAKE AND RECORD A TURBIDITY MEASUREMENT EVERY TWO HOURS DURING IN-WATER WORK AT AN UNDISTURBED AREA 300 FEET UPCURRENT FROM THE IN-WATER DISTURBANCE, IN ORDER TO ESTABLISH BACKGROUND TURBIDITY LEVELS. THE BACKGROUND TURBIDITY, LOCATION, DATE, TIDAL STAGE, AND TIME MUST BE RECORDED IMMEDIATELY PRIOR TO MONITORING DOWNCURRENT AT THE COMPLIANCE POINT DESCRIBED BELOW.

2. COMPLIANCE POINT: TAKE AND RECORD A TURBIDITY MEASUREMENT EVERY TWO HOURS, 100 FEET DOWNCURRENT FROM THE DISTURBANCE, AT APPROXIMATELY MID-DEPTH OF THE WATERBODY AND WITHIN ANY VISIBLE PLUME. THE TURBIDITY, LOCATION, DATE, TIDAL STAGE, AND TIME MUST BE RECORDED FOR EACH MEASUREMENT.

MONITORING WITH A TURBIDIMETER EVERY 2 HOURS:	
TURBIDITY LEVEL	RESTRICTIONS TO DURATION OF ACTIVITY.
0 TO 5 NTU ABOVE BACKGROUND:	NO RESTRICTIONS.

5 TO 29 NTU ABOVE BACKGROUND: WORK MAY CONTINUE FOR A MAXIMUM OF 4 HOURS. IF TURBIDITY REMAINS 5-29 NTU ABOVE BACKGROUND, STOP WORK AND MODIFY BMPs. WORK MAY RESUME WHEN NTU IS 0-5 ABOVE BACKGROUND.

30 TO 49 NTU ABOVE BACKGROUND: WORK MAY CONTINUE FOR A MAXIMUM OF 2 HOURS. IF TURBIDITY REMAINS 30-49 NTU ABOVE BACKGROUND, STOP WORK AND MODIFY BMPs. WORK MAY RESUME WHEN NTU IS 0-5 ABOVE BACKGROUND.

50 NTU OR MORE ABOVE BACKGROUND: STOP WORK IMMEDIATELY AND INFORM DEQ.

C. REPORTING: RECORD ALL TURBIDITY MONITORING REQUIRED BY SUBSECTIONS (A) AND (B) ABOVE IN DAILY LOGS. THE DAILY LOGS MUST INCLUDE CALIBRATION DOCUMENTATION; BACKGROUND NTUS; COMPLIANCE POINT NTUS; COMPARISON OF THE POINTS IN NTUS; LOCATION; DATE; TIME; AND TIDAL STAGE FOR EACH READING. ADDITIONALLY, A NARRATIVE MUST BE PREPARED DISCUSSING ALL EXCEEDANCES WITH SUBSEQUENT MONITORING, ACTIONS TAKEN, AND THE EFFECTIVENESS OF THE ACTIONS. THE APPLICANT MUST MAKE AVAILABLE COPIES OF DAILY LOGS FOR TURBIDITY MONITORING TO DEQ, USACE, NMFS, USFWS, AND ODFW UPON REQUEST.

2. A STREAM ENTERS THE ROGUE RIVER APPROXIMATELY 350 FEET DOWNSTREAM OF THE CONCRETE FOOTING. TURBIDITY MONITORING SHALL CONSIDER POTENTIAL TURBIDITY EVENTS IN THE STREAM WHEN SELECTING MONITORING LOCATIONS AND TIMES.

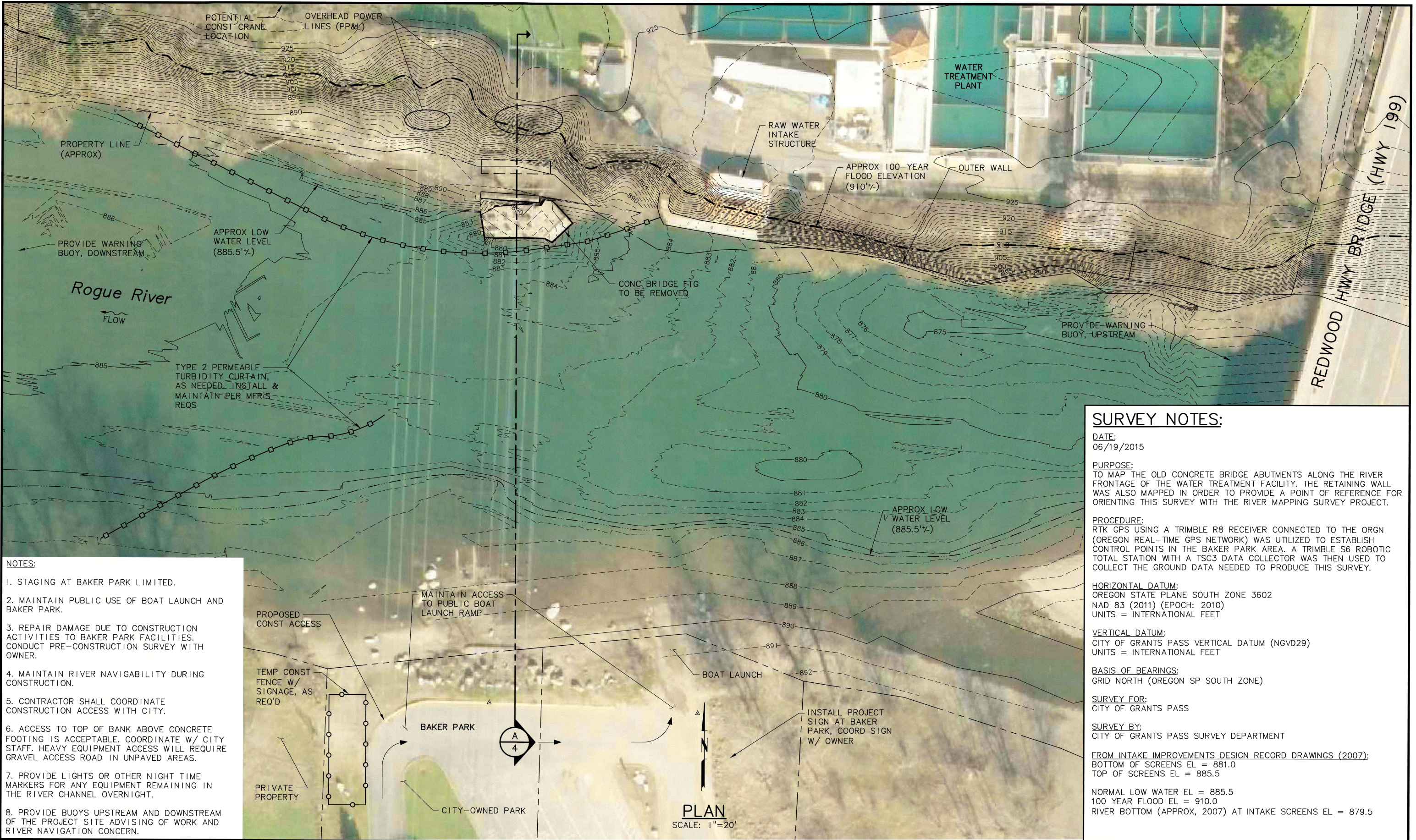
3. CONTRACTOR SHALL USE BEST PRACTICES FOR IN-WATER WORK. ALL EXCAVATORS AND EQUIPMENT WILL BE CLEANED WITH PRESSURE WASHERS AND OTHER METHODS. HYDRAULIC FLUID WILL BE REPLACED WITH FOOD GRADE OILS. TIMBER MATTING TO BE USED TO KEEP EQUIPMENT 1 FOOT ABOVE THE WATER LEVEL.

1. CONTRACTOR SHALL COORDINATE WITH LAW ENFORCEMENT TO CREATE ENFORCEABLE NO WAKE ZONE SIGNAGE.
2. CONTRACTOR SHALL POST SIGNAGE INDICATING THAT NAVIGATION IS IMPAIRED AT TOM PEARCE PARK AND CHINOOK COUNTY PARK.
3. CONTRACTOR SHALL MAINTAIN PUBLIC ACCESS TO BAKER PARK BOAT RAMP.
4. CONTRACTOR SHALL COORDINATE CONSTRUCTION ACCESS WITH OWNER.

AASHTO	AT AMERICAN ASSOCIATION OF STATE HIGHWAY & TRANSPORTATION OFFICIALS	EQL EQUIP ESMT EXIST EXIST GR	EDGE OF PAVEMENT EQUAL EQUIPMENT EASEMENT EXISTING	OC OD OP ORIG OVHD	ON-CENTER OUTSIDE DIAMETER OPERATOR ORIGINAL OVERHEAD
AB	ANCHOR BOLT				
ABAN(D)	ABANDON (ED)	EXP	EXISTING GRADE		
ABV	ABOVE	EXP BT	EXPANSION	PE	PLAIN END
AC	ASPHALTIC CONCRETE	EXT	EXPANSION BOLT	PERM PERP	PERMANENT PERPENDICULAR
ADJ	ADJUSTABLE		EXTERIOR or EXTENSION	PG	PRESSURE GAUGE
AFF	ABOVE FINISHED FLOOR			PL or PL	PROPERTY LINE or PLATE
AFG	ABOVE FINISHED GRADE	FAB	FABRICATE	PP&L	PACIFIC POWER & LIGHT
ALT	ALTERNATIVE	FCA	FLANGED COUPLING	PRESS	PRESSURE
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE	FD	FLOOR DRAIN	PROP	PROPERTY
APPROX	APPROXIMATE	FG	FINISHED GRADE	PRV	PRESSURE REDUCING VALVE
APPVD	APPROVED	FH	FIRE HYDRANT	PSIG	POUNDS PER SQUARE INCH
APWA	AMERICAN PUBLIC WORKS ASSOCIATION	FIN FL	FINISH FLOOR		GAGE
ARV	AIR RELEASE VALVE	FL	FLOOR LINE	PSPT	PIPE SUPPORT
ASSY	ASSEMBLY	FLEX	FLEXIBLE	PVC	POLYVINYL CHLORIDE
AVE	AVENUE	FLG	FLANGE	PVMT	PAVEMENT
AVG	AVERAGE	FLR	FLOOR	PWR	POWER
AWWA	AMERICAN WATER WORKS ASSOCIATION	FT	FEET or FOOT		
		FTG	FOOTING	QTY	QUANTITY
		FUT	FUTURE		
BFD	BACKFLOW PREVENTION DEVICE	G	GAS	RDCR	REDUCER
BFILL	BACKFILL	GA	GAUGE	REQ'D	REQUIRED
BFV	BUTTERFLY VALVE	GAL	GALLON	REQS	REQUIREMENTS
BKGD	BACKGROUND	GALV	GALVANIZED	RESTR	RESTRAINED
BLDG	BUILDING	GND	GROUND	RFA	RESTRAINED FLANGE
BO	BLOWOFF	GPD	GALLONS PER DAY	R/W	COUPLING ADAPTER
BOT	BOTTOM	GPH	GALLONS PER HOUR		RIGHT OF WAY
		GPID	GRANTS PASS IRRIGATION	SCHED	SCHEDULE
CB	CATCH BASIN		DISTRICT	SD	STORM DRAIN
CFS	CUBIC FEET PER SECOND	GPM	GALLONS PER MINUTE	SECT	SECTION
CHKV	CHECK VALVE	GPS	GALLONS PER SECOND	SHLDR	SHOULDER
CI	CAST IRON	GR	GRADE	SHT	SHEET
CL or CL	CENTER LINE	GV	GATE VALVE	SIM	SIMILAR
CLR	CLEAR	GRVL	GRAVEL	SLP	SLOPE
CLSM	CONTROLLED LOW STRENGTH MATERIAL	HORIZ	HORIZONTAL	SLV	SLEEVE
CND	CONDUIT			SPEC (S)	SPECIFICATION (S)
CO	CLEANOUT	ID	INSIDE DIAMETER	SPL	SPOOL
CONC	CONCRETE	IE	INVERT ELEVATION	SPRT	SUPPORT
CONN	CONNECTION	IN	INCH	SQ	SQUARE
CONST	CONSTRUCTION	INV	INVERT	SQ FT	SQUARE FOOT
CONT	CONTINUOUS or CONTINUATION	IPS	IRON PIPE SIZE	SQ IN	SQUARE INCH
COORD	COORDINATE			SQ YD	SQUARE YARD
COP	COPPER	LB	POUND	SS	SANITARY SEWER
CORP	CORPORATION	LF	LINEAL FOOT	SST	STAINLESS STEEL
CP	CONTROL POINT	LIN	LINEAL or LINEAR	ST	STREET
CPLG	COUPLING	LS	LONG SLEEVE or LUMP SUM	STA	STATION
CR	CRUSHED ROCK	LT	LEFT	STD STL	STANDARD STEEL
CV	CONTROL VALVE			STRUCT	STRUCTURE or STRUCTURAL
CY	CUBIC YARDS	MATL	MATERIAL	S/W	SIDEWALK
		MAX	MAXIMUM	SYS	SYSTEM
D	DRAIN	MET	METAL		
DEFL	DEFLECTION	MFR	MANUFACTURER	T or TEL	TELEPHONE
DET	DETAIL	MH	MANHOLE	TB	THRUST BLOCK
DI	DUCTILE IRON	MHMAC	MINOR HOT MIX	TC	TOP OF CONCRETE or TOP OF CURB
DIA	DIAMETER		ASPHALT CONCRETE		
DIM	DIMENSION	MIN	MINIMUM	THK	THICKNESS
DIR	DIRECTION	MISC	MISCELLANEOUS	THRD	THREAD(ED)
DIST	DISTANCE	MJ	MECHANICAL JOINT	THRU	THROUGH
DN	DOWN			TRANS	TRANSITION
DR	DRIVE	NA	NOT APPLICABLE	TYP	TYPICAL
DWG	DRAWING	NC	NORMALLY CLOSED		
DWY	DRIVEWAY	NO / NO.	NORMALLY OPEN or NUMBER	VERT	VERTICAL
EA	EACH	NOM	NOMINAL	W	WATER
EL	ELEVATION	NRS	NON-RISING STEM	W/ W/O	WITH WITHOUT
ELB	ELBOW	NTS	NOT TO SCALE		
ELEC	ELECTRICAL				

				<div>NOTICE</div> <div><div>01/2</div></div> <div>IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE</div>		<div>MLM DESIGNED</div> <div>DKH DRAWN</div> <div>JLH CHECKED</div>		<div><div><div>REGISTERED PROFESSIONAL ENGINEER 65640</div><div><i>Michael L. McKillis</i></div><div>OREGON</div><div>DECEMBER 29, 2023</div><div>MICHAEL L. MCKILLIS</div></div><div>RENEWS 12-31-18</div></div>		<div><div>MSA</div><div>Murray, Smith &amp; Associates, Inc.</div><div>Engineers/Planners</div><div>888 S.W. 5th Ave, Suite 1170 PHONE 503-225-9010 Portland, Oregon 97204 FAX 866-274-9807</div></div>		<div><div><div>Grants Pass</div><div>LIVE RIGHT</div></div><div>CITY OF GRANTS PASS CONCRETE FOOTING REMOVAL PROJECT NO. WA 5096</div></div>		<div>GENERAL NOTES AND ABBREVIATIONS</div>				<div>SHEET</div> <div>2</div> <div>2 of 5</div>	
NO.	DATE	BY	REVISION								PROJECT NO.: 16-1860		SCALE: AS SHOWN	DATE: APRIL 2017					

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#### NOTES:

1. STAGING AT BAKER PARK LIMITED.
2. MAINTAIN PUBLIC USE OF BOAT LAUNCH AND BAKER PARK.
3. REPAIR DAMAGE DUE TO CONSTRUCTION ACTIVITIES TO BAKER PARK FACILITIES. CONDUCT PRE-CONSTRUCTION SURVEY WITH OWNER.
4. MAINTAIN RIVER NAVIGABILITY DURING CONSTRUCTION.
5. CONTRACTOR SHALL COORDINATE CONSTRUCTION ACCESS WITH CITY.
6. ACCESS TO TOP OF BANK ABOVE CONCRETE FOOTING IS ACCEPTABLE. COORDINATE W/ CITY STAFF. HEAVY EQUIPMENT ACCESS WILL REQUIRE GRAVEL ACCESS ROAD IN UNPAVED AREAS.
7. PROVIDE LIGHTS OR OTHER NIGHT TIME MARKERS FOR ANY EQUIPMENT REMAINING IN THE RIVER CHANNEL OVERNIGHT.
8. PROVIDE BUOYS UPSTREAM AND DOWNSTREAM OF THE PROJECT SITE ADVISING OF WORK AND RIVER NAVIGATION CONCERN.

#### SURVEY NOTES:

DATE:  
06/19/2015

PURPOSE:  
TO MAP THE OLD CONCRETE BRIDGE ABUTMENTS ALONG THE RIVER FRONTAGE OF THE WATER TREATMENT FACILITY. THE RETAINING WALL WAS ALSO MAPPED IN ORDER TO PROVIDE A POINT OF REFERENCE FOR ORIENTING THIS SURVEY WITH THE RIVER MAPPING SURVEY PROJECT.

PROCEDURE:  
RTK GPS USING A TRIMBLE R8 RECEIVER CONNECTED TO THE ORGN (OREGON REAL-TIME GPS NETWORK) WAS UTILIZED TO ESTABLISH CONTROL POINTS IN THE BAKER PARK AREA. A TRIMBLE S6 ROBOTIC TOTAL STATION WITH A TSC3 DATA COLLECTOR WAS THEN USED TO COLLECT THE GROUND DATA NEEDED TO PRODUCE THIS SURVEY.

HORIZONTAL DATUM:  
OREGON STATE PLANE SOUTH ZONE 3602  
NAD 83 (2011) (EPOCH: 2010)  
UNITS = INTERNATIONAL FEET

VERTICAL DATUM:  
CITY OF GRANTS PASS VERTICAL DATUM (NGVD29)  
UNITS = INTERNATIONAL FEET

BASIS OF BEARINGS:  
GRID NORTH (OREGON SP SOUTH ZONE)

SURVEY FOR:  
CITY OF GRANTS PASS

SURVEY BY:  
CITY OF GRANTS PASS SURVEY DEPARTMENT

FROM INTAKE IMPROVEMENTS DESIGN RECORD DRAWINGS (2007):  
BOTTOM OF SCREENS EL = 881.0  
TOP OF SCREENS EL = 885.5

NORMAL LOW WATER EL = 885.5  
100 YEAR FLOOD EL = 910.0  
RIVER BOTTOM (APPROX, 2007) AT INTAKE SCREENS EL = 879.5

NO.	DATE	BY	REVISION

NOTICE  
0 1/2 1  
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MLM  
DESIGNED  
DKH  
DRAWN  
JLH  
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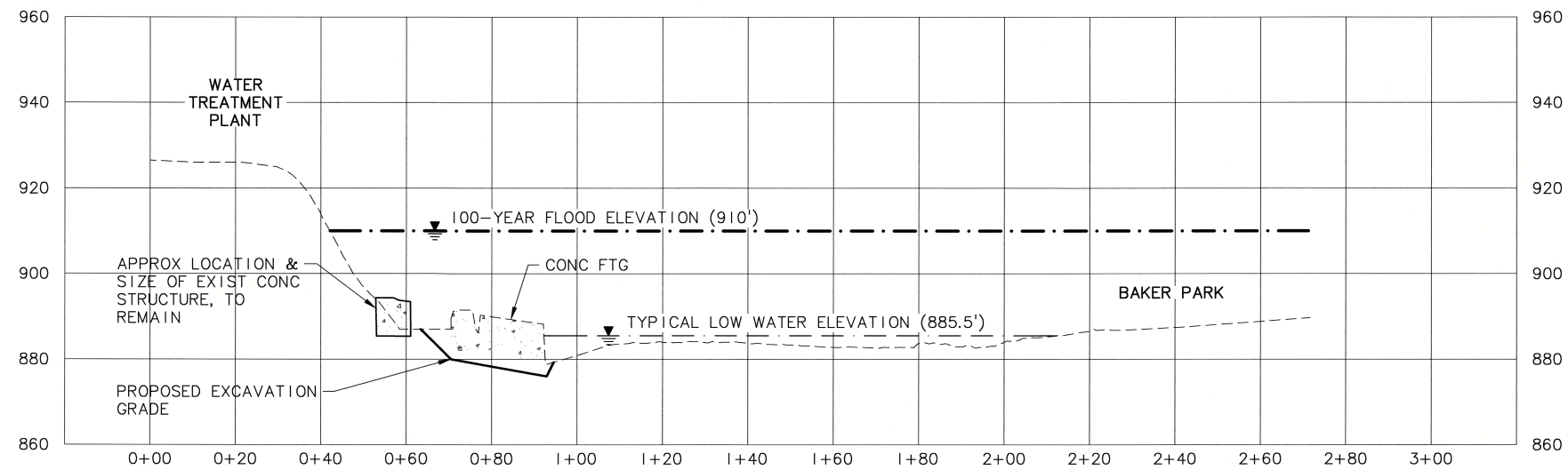


**CITY OF GRANTS PASS  
CONCRETE FOOTING  
REMOVAL  
PROJECT NO. WA 5096**

**PROJECT SITE**  
PROJECT NO.: 16-1860 SCALE: AS SHOWN DATE: APRIL 2017

SHEET  
**3**  
3 of 5

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ROGUE RIVER CROSS SECTION AT CONCRETE FOOTING

SCALE: 1"=20'



NO.	DATE	BY	REVISION

NOTICE

0 1/2 1

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DESIGNED  
CAD  
DRAWN  
JLH  
CHECKED

REGISTERED PROFESSIONAL ENGINEER  
65640  
MICHAEL L. MCKILLIP  
OREGON  
RENEWS 12-31-18

**MSA** Murray Smith & Associates, Inc.  
Engineers/Planners  
888 S.W. 5th Ave, Suite 1170 PHONE 503-225-9010  
Portland, Oregon 97204 FAX 866-274-9807

**Grants Pass** LIVE ROUGE Oregon  
**CITY OF GRANTS PASS  
CONCRETE FOOTING  
REMOVAL  
PROJECT NO. WA 5096**

**CROSS SECTION**

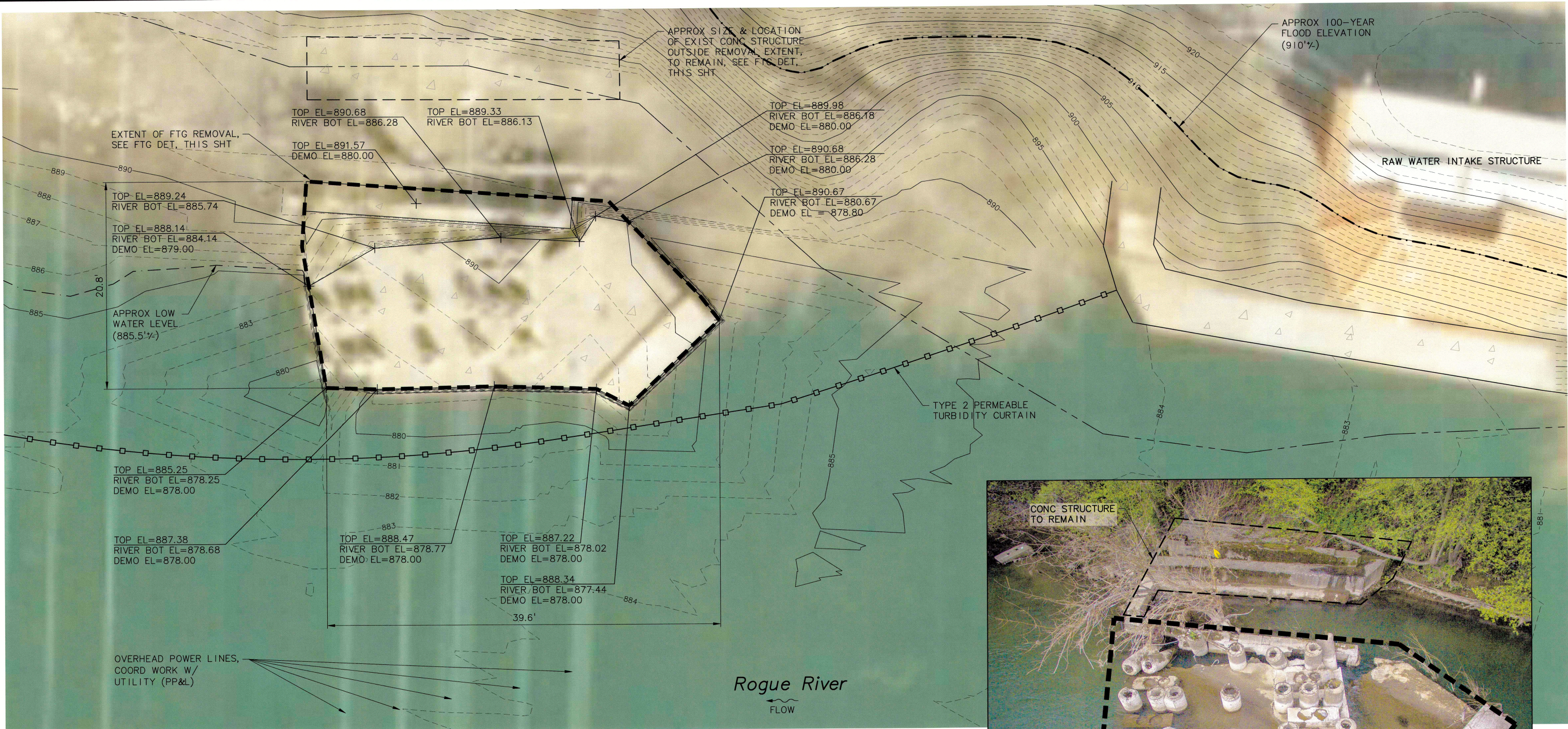
PROJECT NO.: 16-1860 SCALE: AS SHOWN DATE: APRIL 2017

SHEET

**4**

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NOTES:

1. CONCRETE FOOTING IS APPROXIMATELY 10 FT HIGH AND 250 CUBIC YARDS IN VOLUME. IT IS ANTICIPATED TO HAVE BEEN UNDERCUT BY CHANNEL FLOWS AND THE NORTH EDGE RESTS ON CHANNEL BED.

THE INTENT IS TO REMOVE THE CONCRETE BLOCK TO THE ELEVATIONS SHOWN, WHICH IS ANTICIPATED TO REMOVE THE BLOCK IN ITS ENTIRETY. REMOVAL BEYOND THE ELEVATIONS SHOWN WILL BE ADDITIONAL WORK UNDER BID ITEM 3 AND CONSIDERED WITH THE OWNER'S AUTHORIZATION.

2. RIVER SEDIMENTS IN THE WORK AREA ARE ANTICIPATED TO HAVE SPARSE AQUATIC VEGETATION. CONTRACTOR SHALL TRANSPLANT ANY POTENTIALLY EFFECTED PLANTS PRIOR TO STARTING CONCRETE REMOVAL WORK.

3. RESTORE VEGETATION OF THE BANK DAMAGED BY WORK ACTIVITIES. REPLACE VEGETATION WITH LIKE SPECIES.

4. WHERE THE CONCRETE FOOTING IS REMOVED FROM THE RIVER BED, NO IMPORTED MATERIAL SHALL BE USED TO FILL ANY RESULTING VOID.

LAMPREY PROTECTION NOTES:

1. FOR ALL SEDIMENT THAT IS TO BE MOVED, TRANSPORT SEDIMENT PER THE LAMPREY PROTECTION DESCRIBED HEREIN.

2. IF THE CONCRETE FOOTING IS TO BE REMOVED BELOW THE RIVER BOTTOM, TRANSPORT SURROUNDING SEDIMENTS PRIOR TO CONCRETE BREAKING AND REMOVAL.

3. JUVENILE LAMPREY MAY BE PRESENT IN THE SEDIMENTS AROUND THE CONCRETE FOOTING. TRANSPORT ALL SEDIMENT USING AN EXCAVATOR TO GENTLY SCOOP UP SEDIMENTS AND PLACE THE SEDIMENTS ON THE RIVER BED A MINIMUM OF 10 FEET DOWNSTREAM WITHOUT MOVING THE EXCAVATOR.



PLAN  
SCALE: 1"=5'



FOOTING DETAIL

NO.	DATE	BY	REVISION

NOTICE
0 1/2 1
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**CITY OF GRANTS PASS**  
**CONCRETE FOOTING**  
**REMOVAL**  
**PROJECT NO. WA 5096**

**DEMOLITION AND RESTORATION PLAN**

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SHEET  
**5**  
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